

Water Conservation Plans

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Water Conservation Plan

Basically, the *Water Conservation Plan* is a continuous long term strategy or combination of strategies for:

- **reducing the consumption of water**
- **reducing the loss or waste of water**

Water Conservation Plan

(Continued)

- increasing recycling and reuse of water
- best management practices measures to try to meet the targets and goals identified in the plan
- improving or maintaining the efficiency in the use of water

Minimum Requirements §363.15 of Texas Administrative Code

- Completion of the Utility Profile, Form WRD-264.
- Specific and quantified targets for water savings and water loss in gpcd.
- Schedule for implementing the plan.

Requirements Continued

- Method(s) for tracking plan activities and effectiveness.
- Water accountability provisions:
 - Master meter to measure water diverted from supply source.
 - Universal metering for both customer and public uses.
 - Continuous program of leak detection, repair and water loss accounting in order to control water loss.

Requirements Continued

- Test, calibrate, repair and replace meters.
- Non-promotional rate structure.
- Notify the regional water planning group for the service area of plan completion and make it available upon request.
- If applicant will utilize project financed by the TWDB to furnish water or wastewater services, etc.

Requirements Continued

- Loan applicants required to submit DCP.
- Adopt the plan. Plan should be adopted by the governing body of your utility.
- Recipients of financial assistance are required to maintain an approved WC Plan in effect until all financial obligations to the state have been discharged (loan paid off).

Requirements Continued

- Annual reports are to be submitted by May 1
- Review and revise plan every 5 years.

Utility Profile

- Assist with plan development
- Water supply system data
- Wastewater system data
- Number of connections by type
- Historical water use (5 years) a must
- Ensure this information is considered when preparing the plan and establishing reasonable gpcd and water loss goals

Specific 5-yr and 10-yr Goals

5-yr & 10-yr specific goals for **water savings & water loss** are required

GPCD Goals

Establish a baseline gpcd-should be consistent with your 5-yr. average in the Utility Profile

Goals

Be specific and quantify in gpcd.

“Our baseline gpcd to be reduced is 150, based on our last 5 years average water use.”

5-yr gpcd goal: 143 (2016)

10-yr gpcd goal: 140 (2021)

Goals-Bad

- The utility will reduce water use by 5% .
- The utility will lower water loss by 10%, or by 8 gpcd.
- The general manager will announce a watering schedule when we go into a mandatory stage.
- The utility will reduce water use because it is a scarce resource.

Specific WCP Goals-Good

Goals	Years	Per Capita Water Use (gpcd)	Unaccounted for Water or Water Losses (%)	Unaccounted for Water or Water Losses (gpcd)
Past 5-year average	2003-2008	153 gpcd	7.01%	11
5-year goal	2013	145 gpcd	6.66%	10
10-year goal	2018	138 gpcd	6.33%	8

Other Plan Goals

- Reduce our average day and peak ratio
- Form a citizen/ratepayer committee to review and discuss water conservation & utility issues
- Create web site and update regularly to communicate with customers
- Prohibition on wasting water-usually by ordinance
- Reduce wastewater flows

Water Conservation Plan Resources

- The Best Management Practices or BMP Guide:
<http://www.twdb.state.tx.us/assistance/conservation/TaskForceDocs/WCITFBMPGuide.pdf>
- TWDB Water Efficiency Study:
<http://www.twdb.state.tx.us/assistance/conservation/gdsstudy.asp>

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